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American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005

# weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 65 For Week Ended July 27, 1984 NO. 30

## SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

| | Current Week Ending: 07/27/84 | Last Week Ending: 07/20/84 | Last Year Week Ending: 07/29/83 | Change From Last Week | Change From Last Year |
|---|---|---|---|---|---|
| **Refinery Operations** | | | | | |
| Input to crude oil distillation units | 12,415 | 12,368 | 12,755 | 47 | -340 |
| Operable capacity | 16,074 | 16,074 | 16,294 | 0 | -220 |
| Percent operated | 77.2 | 76.9 | 78.3 | | |
| **Motor Gasoline** | | | | | |
| Total motor gasoline production | 6,520 | 6,555 | 6,685 | -35 | -165 |
| Finished leaded motor gasoline production | 2,531 | 2,679 | 3,027 | -148 | -496 |
| Finished unleaded motor gasoline production | 3,989 | 3,876 | 3,658 | 113 | 331 |
| Total motor gasoline stocks | 237,515 | 241,380 | 225,807 | -3,865 | 11,708 |
| Finished leaded motor gasoline stocks | 90,973 | 93,306 | 97,611 | -2,333 | -6,638 |
| Finished unleaded motor gasoline stocks | 107,554 | 108,527 | 89,950 | -973 | 17,604 |
| **Distillate Fuel Oil** | | | | | |
| Distillate fuel oil production | 2,769 | 2,693 | 2,649 | 76 | 120 |
| Distillate fuel oil stocks | 125,308 | 123,518 | 128,464 | 1,790 | -3,156 |
| **Residual Fuel Oil** | | | | | |
| Residual fuel oil production | 816 | 766 | 780 | 50 | 36 |
| Residual fuel oil stocks | 51,851 | 50,435 | 48,581 | 1,416 | 3,270 |
| **Imports** | | | | | |
| Crude oil imports | 3,015 | 4,014 | 4,150 | -999 | -1,135 |
| Product imports | 1,897 | 1,693 | 1,639 | 204 | 258 |
| **Crude Oil Stocks** | | | | | |
| Crude oil stocks | 356,043 | 360,081 | 347,918 | -4,038 | 8,125 |

*Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949*

NA-Not Available

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# weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 65 For Week Ended July 27, 1984 NO. 30

## U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

| DISTRICT | Total Refinery Input | Crude Oil Runs to Distillation Units | Input to Crude Oil Distillation Units | Operable Capacity | % Operated |
|---|---|---|---|---|---|
| East Coast | 1,127 | 991 | 1,010 | 1,405 | 71.9 |
| Appal. No. 1 | 88 | 87 | 88 | 115 | 76.5 |
| **DISTRICT 1 TOTAL** | 1,215 | 1,078 | 1,098 | 1,520 | 72.2 |
| Appal. No. 2 | 65 | 61 | 61 | 66 | 92.4 |
| Ind., Ill., Ky. | 2,019 | 1,936 | 1,952 | 2,309 | 84.5 |
| Minn., Wis., Daks. | 295 | 286 | 293 | 303 | 96.7 |
| Okla., Kans., Mo. | 767 | 675 | 680 | 755 | 90.1 |
| **DISTRICT 2 TOTAL** | 3,146 | 2,958 | 2,986 | 3,433 | 87.0 |
| Inland Texas | 482 | 498 | 508 | 615 | 82.6 |
| Texas Gulf Coast | 3,156* | 2,811 | 2,901 | 3,837 | 75.6 |
| La. Gulf Coast | 2,064 | 1,933 | 1,986 | 2,562 | 77.5 |
| N. La. and Ark. | 192 | 180 | 181 | 302 | 59.9 |
| New Mexico | 95 | 85 | 87 | 114 | 76.3 |
| **DISTRICT 3 TOTAL** | 5,989* | 5,507 | 5,663 | 7,430 | 76.2 |
| **DISTRICT 4 TOTAL** | 460 | 458 | 461 | 537 | 85.8 |
| **DISTRICT 5 TOTAL** | 2,276 | 2,192 | 2,207 | 3,154 | 70.0 |
| **TOTAL U.S.** | 13,086 | 12,193 | 12,415 | 16,074 | 77.2 |
| **TOTAL U.S.** | | | | | |
| **Weeks Ended:** | | | | | |
| JUL. 20, 1984 | 12,953* | 12,155 | 12,368 | 16,074 | 76.9 |
| JUL. 29, 1983 | 13,217 | 12,452 | 12,755 | 16,294 | 78.3 |
| **DISTRICTS 1-4** | | | | | |
| **Weeks Ended:** | | | | | |
| JUL. 27, 1984 | 10,810 | 10,001 | 10,208 | 12,920 | 79.0 |
| JUL. 20, 1984 | 10,712* | 9,949 | 10,144 | 12,920 | 78.5 |
| JUL. 29, 1983 | 10,873 | 10,121 | 10,414 | 13,234 | 78.7 |

*See revisions on Page 7

**API WEEKLY STATISTICAL BULLETIN**
**Week Ended** July 27, 1984

## U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

| DISTRICT | Total Motor Gasoline[1] | Motor Gasoline | | Jet Fuel | | Distillate Fuel Oil[2] | Residual Fuel Oil |
|---|---|---|---|---|---|---|---|
| | | Finished Leaded | Finished Unleaded | Naphtha Type | Kerosine Type | | |
| East Coast | 667 | 237 | 430 | 21 | 31 | 214 | 95 |
| Appal. No. 1 | 29 | 11 | 18 | 1 | -- | 43 | -1 |
| **DISTRICT 1 TOTAL** | 696 | 248 | 448 | 22 | 31 | 257 | 94 |
| Appal. No. 2 | 36 | 16 | 20 | 4 | -- | 16 | 1 |
| Ind., Ill., Ky. | 1,073 | 412 | 661 | 30 | 98 | 459 | 41 |
| Minn., Wis., Daks. | 162 | 68 | 94 | 5 | 10 | 74 | 8 |
| Okla., Kans., Mo. | 470 | 264 | 206 | 18 | 28 | 238 | 15 |
| **DISTRICT 2 TOTAL** | 1,741 | 760 | 981 | 57 | 136 | 787 | 65 |
| Inland Texas | 328 | 140 | 188 | 27 | 30 | 129 | 28 |
| Texas Gulf Coast | 1,414 | 517 | 897 | 10 | 223 | 613 | 136 |
| La. Gulf Coast | 1,003 | 342 | 661 | 19 | 192 | 410 | 119 |
| N. La. and Ark. | 70 | 24 | 46 | 5 | -- | 59 | 8 |
| New Mexico | 35 | 17 | 18 | 19 | 4 | 26 | -- |
| **DISTRICT 3 TOTAL** | 2,850 | 1,040 | 1,810 | 80 | 449 | 1,237 | 291 |
| **DISTRICT 4 TOTAL** | 264 | 155 | 109 | 17 | 17 | 137 | 10 |
| **DISTRICT 5 TOTAL** | 969 | 328 | 641 | 28 | 271 | 351 | 356 |
| **TOTAL U.S.** | 6,520 | 2,531 | 3,989 | 204 | 904 | 2,769 | 816 |
| **TOTAL U.S.** | | | | | | | |
| **Weeks Ended:** | | | | | | | |
| JUL. 20, 1984 | 6,555 | 2,679 | 3,876 | 241 | 985 | 2,693 | 766 |
| JUL. 29, 1983 | 6,685 | 3,027 | 3,658 | 192 | 739 | 2,649 | 780 |
| **DISTRICTS 1-4** | | | | | | | |
| **Weeks Ended:** | | | | | | | |
| JUL. 27, 1984 | 5,551 | 2,203 | 3,348 | 176 | 633 | 2,418 | 460 |
| JUL. 20, 1984 | 5,516 | 2,245 | 3,271 | 170 | 704 | 2,288 | 467 |
| JUL. 29, 1983 | 5,557 | 2,522 | 3,035 | 154 | 504 | 2,257 | 475 |

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

[2]Includes Grade No. 4 fuel oil.

NA-Not Available

**API WEEKLY STATISTICAL BULLETIN**
**Week Ended** July 27, 1984

## STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

| DISTRICT | Total Motor Gasoline[1] | Motor Gasoline | | | Jet Fuel | | Distillate Fuel Oil[2] | Residual Fuel Oil | Unfinished Oils |
|---|---|---|---|---|---|---|---|---|---|
| | | Finished Leaded | Finished Unleaded | Blending Components | Naphtha Type | Kerosine Type | | | |
| New England | 5,277 | 2,454 | 2,822 | 1 | 123 | 633 | 6,541 | 1,534 | -- |
| Central Atlantic | 35,428 | 12,910 | 17,490 | 5,028 | 334 | 3,917 | 25,701 | 20,999 | 13,266 |
| Lower Atlantic | 27,763 | 11,614 | 15,971 | 178 | 389 | 3,720 | 13,754 | 4,549 | 342 |
| **DISTRICT 1 TOTAL** | 68,468 | 26,978 | 36,283 | 5,207 | 846 | 8,270 | 45,996 | 27,082 | 13,608 |
| **DISTRICT 2 TOTAL** | 66,402 | 30,049 | 29,646 | 6,707 | 1,625 | 8,270 | 35,134 | 3,206 | 17,417 |
| **DISTRICT 3 TOTAL** | 65,859 | 20,885 | 27,735 | 17,239 | 2,468 | 12,344 | 29,423 | 10,207 | 47,959 |
| **DISTRICT 4 TOTAL** | 7,619 | 3,439 | 2,112 | 2,068 | 370 | 890 | 3,441 | 688 | 2,707 |
| **DISTRICT 5 TOTAL** | 29,167 | 9,622 | 11,778 | 7,767 | 1,744 | 5,878 | 11,314 | 10,668 | 24,940 |
| **TOTAL U.S.** | 237,515 | 90,973 | 107,554 | 38,988 | 7,053 | 35,652 | 125,308 | 51,851 | 106,631 |
| **TOTAL U.S.** | | | | | | | | | |
| **Weeks Ended:** | | | | | | | | | |
| JUL. 20, 1984 | 241,380 | 93,306 | 108,527 | 39,547 | 7,415 | 35,911 | 123,518 | 50,435 | 106,808 |
| JUL. 29, 1983 | 225,807 | 97,611 | 89,950 | 38,246 | 7,202 | 33,860 | 128,464 | 48,581 | 106,689 |
| **DISTRICTS 1-4** | | | | | | | | | |
| **Weeks Ended:** | | | | | | | | | |
| JUL. 27, 1984 | 208,348 | 81,351 | 95,776 | 31,221 | 5,309 | 29,774 | 113,994 | 41,183 | 81,691 |
| JUL. 20, 1984 | 212,377 | 83,049 | 97,268 | 32,060 | 5,254 | 30,046 | 111,396 | 40,215 | 81,133 |
| JUL. 29, 1983 | 196,747 | 87,673 | 78,690 | 30,384 | 5,562 | 27,262 | 116,739 | 40,205 | 81,307 |

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

[2]Includes Grade No. 4 fuel oil.

NA-Not Available

**WEEKLY STATISTICAL BULLETIN**
**Week Ended** July 27, 1984

## ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

| Weeks Ended: | Estimated Domestic Production[1] API Monthly | Estimated Domestic Production[1] Latest Dept. of Energy Mar 1984 | Crude Oil Imports[1] Total | Crude Oil Imports[1] From Canada | Crude Oil Stocks By Location[1] |
|---|---|---|---|---|---|
| | | Daily Average | | | |
| **DISTRICTS 1-4 TOTAL** | | | | | |
| JUL. 27, 1984 | 5,925.4 | 5,891.0 | 2,885 | 188 | 275,459 |
| JUL. 20, 1984 | 5,925.4 | -- | 3,816 | 284 | 276,672 |
| JUL. 13, 1984 | 5,925.4 | -- | 3,360 | 237 | 270,604 |
| JUL. 6, 1984 | 5,917.9 | -- | 3,252 | 248 | 266,407 |
| **DISTRICT 5 TOTAL** | | | | | |
| JUL. 27, 1984 | 2,822.5 | 2,689.0 | 130 | -- | 80,584 ‡ |
| JUL. 20, 1984 | 2,822.5 | -- | 198 | 7 | 83,409 |
| JUL. 13, 1984 | 2,822.5 | -- | 149 | 22 | 84,485 |
| JUL. 6, 1984 | 2,770.7 | -- | 155 | -- | 85,105 |
| **TOTAL U.S.** | | | | | |
| JUL. 27, 1984 | 8,747.9 | 8,580.0 | 3,015 | 188 | 356,043 ‡ |
| JUL. 20, 1984 | 8,747.9 | -- | 4,014 | 291 | 360,081 |
| JUL. 13, 1984 | 8,747.9 | -- | 3,509 | 259 | 355,089 |
| JUL. 6, 1984 | 8,688.6 | -- | 3,407 | 248 | 351,512 |
| JUL. 29, 1983 | 8,636.0 /a | -- | 4,150 | 285 | 347,918 |

‡INCLUDES 24,284 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

/a DOE actual for July 1983.

## LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

| Location | District 1 | District 2 | District 3 | District 4 | Districts 1–4 | District 5 | Total U.S. |
|---|---|---|---|---|---|---|---|
| **Weeks Ended:** | | | | | | | |
| JUL. 27, 1984 | 15,062 | 79,707 | 167,211 | 13,479 | 275,459 | 80,584 ‡ | 356,043 ‡ |
| JUL. 20, 1984 | 16,364 | 77,988 | 168,902 | 13,418 | 276,672 | 83,409 | 360,081 |
| JUL. 29, 1983 | 16,213 | 76,935 | 154,601 | 13,485 | 261,234 | 86,684 | 347,918 |

[1]See definitional notes, Page 6.

API WEEKLY STATISTICAL BULLETIN
Week Ended July 27, 1984

## IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

| | Total Motor Gasoline[1] | Motor Gasoline: Finished Leaded | Motor Gasoline: Finished Unleaded | Jet Fuel: Naphtha Type | Jet Fuel: Kerosine Type | Distillate Fuel Oil[2] | Residual Fuel Oil | L.P.G. | Unfinished Oil[3] | Other | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| New England | -- | -- | -- | -- | -- | -- | 91 | 7 | -- | -- | 98 |
| Central Atlantic | 173 | 92 | 92 | -- | 15 | 180 | 415 | -- | 58 | 23 | 864 |
| Lower Atlantic | 52 | -- | 41 | -- | -- | 27 | 209 | -- | -- | 37 | 325 |
| **DISTRICT 1 TOTAL** | | | | | | | | | | | |
| JUL. 27, 1984 | 225 | 92 | 133 | -- | 15 | 207 | 715 | 7 | 58 | 60 | 1,287 |
| JUL. 20, 1984 | 223 | 119 | 104 | -- | 15 | 239 | 548 | 5 | 55 | 23 | 1,108 |
| JUL. 13, 1984 | 204 | 77 | 127 | 25 | 15 | 166 | 629 | 30 | 134 | 134 | 1,337 |
| JUL. 6, 1984 | 237 | 124 | 113 | -- | 25 | 193 | 777 | 7 | 14 | 102 | 1,355 |
| **DISTRICTS 2-4 TOTAL** | | | | | | | | | | | |
| JUL. 27, 1984 | 40 | 38 | 2 | -- | -- | 32 | 55 | 138 | 232 | 23 | 520 |
| JUL. 20, 1984 | 19 | 15 | 4 | -- | -- | 15 | 54 | 126 | 230* | 25 | 469* |
| JUL. 13, 1984 | 18 | 15 | 3 | -- | -- | 76 | 96 | 118 | 185 | 125 | 618 |
| JUL. 6, 1984 | 10 | 8 | 2 | -- | -- | 35 | 60 | 133 | 182 | 39 | 459 |
| **DISTRICT 5 TOTAL** | | | | | | | | | | | |
| JUL. 27, 1984 | 15 | 4 | 11 | -- | 4 | 9 | 19 | 11 | 18 | 14 | 90 |
| JUL. 20, 1984 | 15 | 5 | 10 | -- | 4 | 5 | 18 | 12 | 19 | 43 | 116 |
| JUL. 13, 1984 | 15 | 5 | 10 | -- | 4 | 5 | 17 | 13 | 18 | 20 | 92 |
| JUL. 6, 1984 | 12 | 4 | 8 | -- | 4 | 6 | 19 | 12 | 95 | 148 | 296 |
| **TOTAL U.S.** | 280 | 134 | 146 | -- | 19 | 248 | 789 | 156 | 308 | 97 | 1,897 |
| **TOTAL U.S.** | | | | | | | | | | | |
| **Weeks Ended:** | | | | | | | | | | | |
| JUL. 20, 1984 | 257 | 139 | 118 | -- | 19 | 259 | 620 | 143 | 304* | 91 | 1,693* |
| JUL. 13, 1984 | 237 | 97 | 140 | 25 | 19 | 247 | 742 | 161 | 337 | 279 | 2,047 |
| JUL. 6, 1984 | 259 | 136 | 123 | -- | 29 | 234 | 856 | 152 | 291 | 289 | 2,110 |
| JUL. 29, 1983 | 278 | 142 | 136 | -- | 25 | 229 | 709 | 186 | 117 | 95 | 1,639 |

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Includes Grade No. 4 fuel oil.

[3]See definitional notes, Page 6.

NA-Not Available

*See revisions on page 7

## DEFINITIONAL NOTES

### Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

### Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

### Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subseguent date as more current information is received.

#### Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

#### Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

### Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

## INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

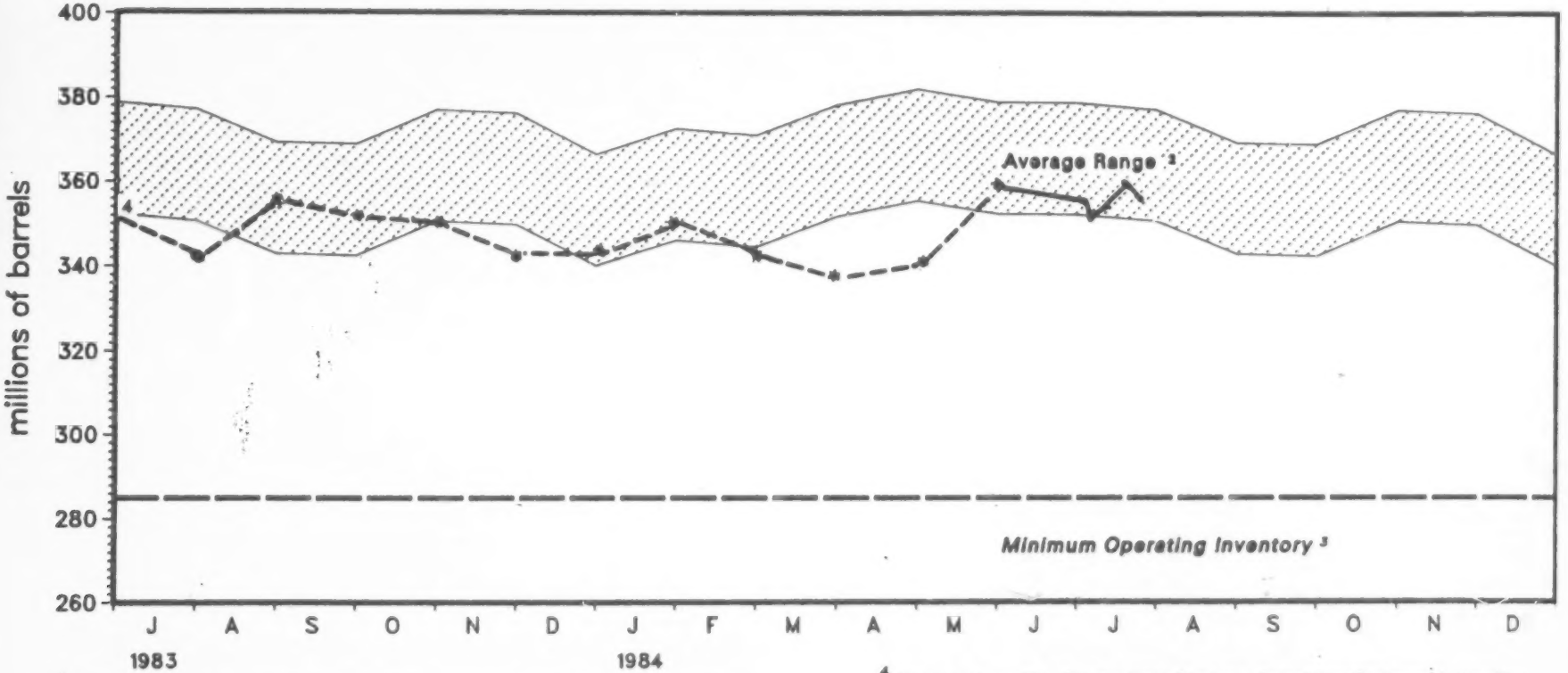
Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

API STATISTICAL BULLETIN
WEEK ENDED: JUL. 27, 1984

## REVISIONS

| | | | | |
|---|---|---|---|---|
| 07/20/84 | PAGE 1 | TOTAL REFINERY INPUT | TEXAS GULF COAST | 3,026 |
| | | | DISTRICT 3 TOTAL | 5,830 |
| | | | TOTAL U.S. | 12,953 |
| | | | DISTRICTS 1-4 | 10,712 |
| | PAGE 5 | UNFINISHED OIL | DISTRICTS 2-4 TOTAL | 230 |
| | | | TOTAL U.S. | 304 |
| | | TOTAL | DISTRICTS 2-4 TOTAL | 469 |
| | | | TOTAL U.S. | 1,693 |

# Crude Oil Stocks at Primary Level [1] [5]




[1] *Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.*

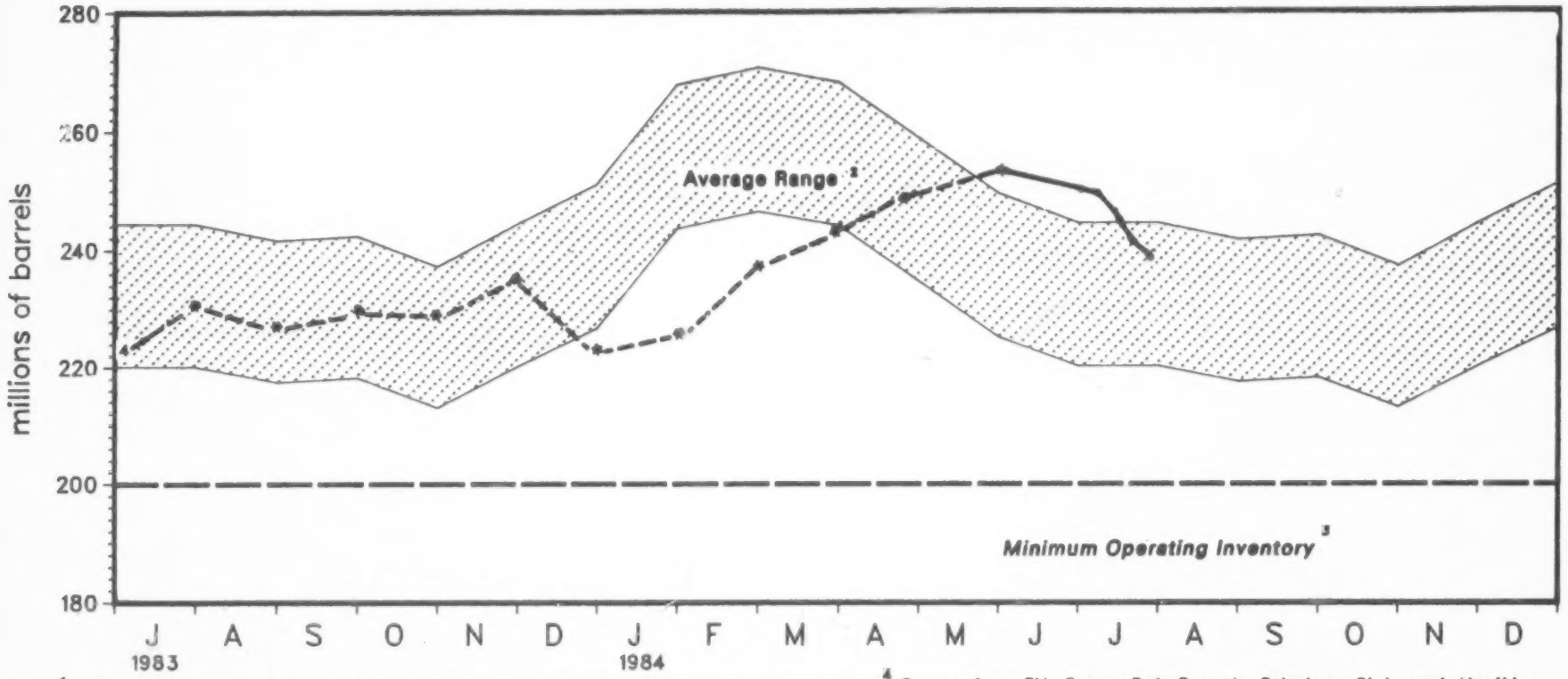
[2] *Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 – Dec. 1983. The seasonal pattern is based on seven years of monthly data: January 1977 – December 1983.*

[3] *The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for crude oil at 285 million barrels.*

[4] *Source: • -- EIA, Energy Data Reports, Petroleum Statement, Monthly.*
*• — API, Weekly Statistical Bulletin.*

[5] *The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.*

# Motor Gasoline Stocks at Primary Level [1] [5]




[1] *Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.*

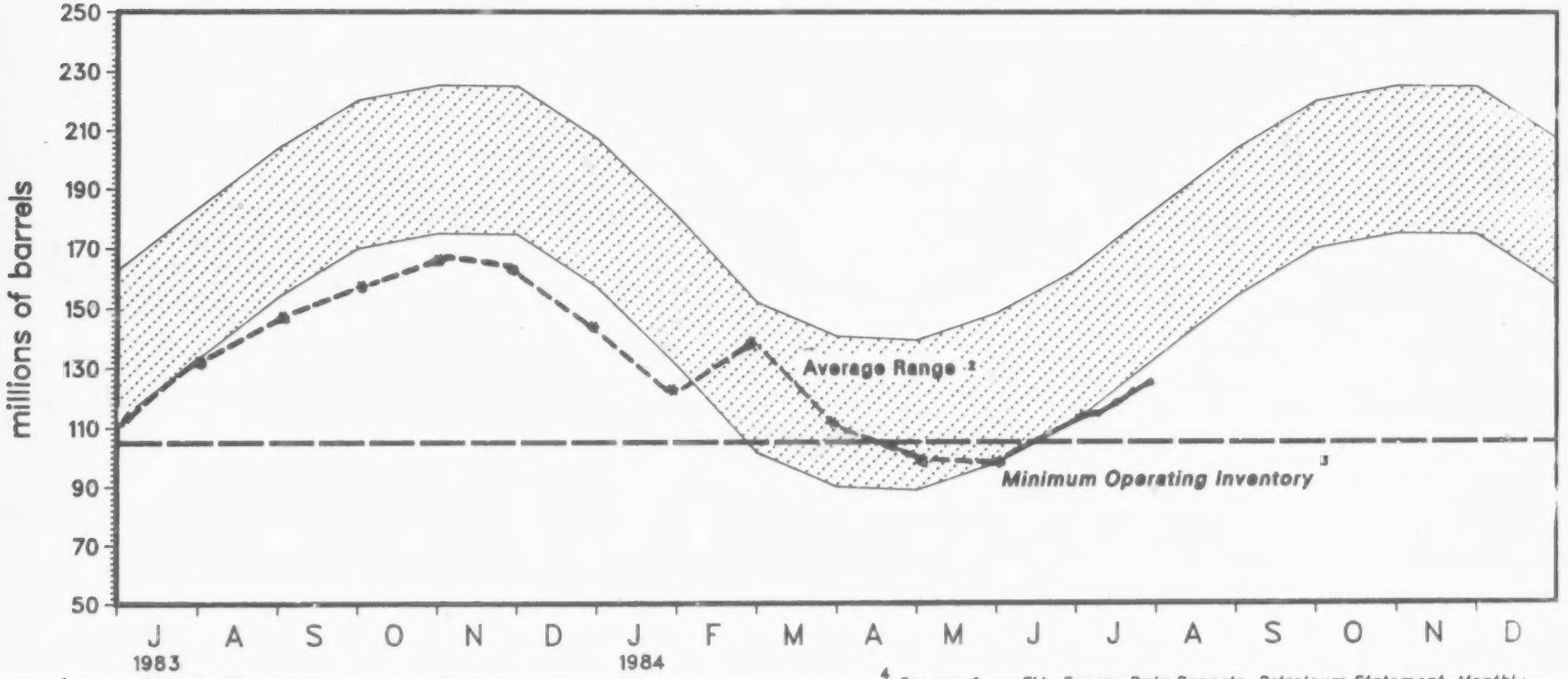
[2] *Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 – Dec. 1983. The seasonal pattern is based on six years of monthly data: January 1978 – December 1983.*

[3] *The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for motor gasoline at 200 million barrels.*

[4] *Source: • -- EIA, Energy Data Reports, Petroleum Statement, Monthly.*
*• — API, Weekly Statistical Bulletin.*

[5] *The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.*

# Distillate Fuel Oil Stocks at Primary Level [1] [5]




[1] *Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.*

[2] *Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 – Dec. 1983. The seasonal pattern is based on seven years of monthly data: January 1977 – December 1983.*

[3] *The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for distillate fuel oil at 105 million barrels.*

[4] *Source: • -- EIA, Energy Data Reports, Petroleum Statement, Monthly.*
*• — API, Weekly Statistical Bulletin.*

[5] *The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.*